

WHAT IS CLAIMED IS:

1. An isolated antibody which binds to a polypeptide comprising SEQ ID NO:2.
- 5 2. The isolated antibody according to claim 1, wherein said polypeptide comprising amino acid residues 25 to 176 of SEQ ID NO:2.
3. The isolated antibody according to claim 1, wherein said isolated antibody further
10 comprising a label.
4. The isolated antibody according to claim 1, wherein said isolated antibody is a polyclonal antibody.
- 15 5. The isolated antibody according to claim 1, wherein said isolated antibody is a monoclonal antibody.
6. An isolated antibody which binds to a Zcyto10 polypeptide comprising amino acid residues 35 to 49 of SEQ ID NO:2.
- 20 7. The isolated antibody according to claim 6, wherein said Zcyto10 polypeptide consists of amino acid residues 35 to 49 of SEQ ID NO:2.
8. An isolated antibody which binds to a Zcyto10 polypeptide comprising amino acid
25 residues 57 to 71 of SEQ ID NO:2.
9. The isolated antibody according to claim 8 wherein said Zcyto10 polypeptide consists of amino acid residues 57 to 71 of SEQ ID NO:2.
- 30 10. An isolated antibody which binds to a Zcyto10 polypeptide comprising amino acid residues 91 to 105 of SEQ ID NO:2.

11. The isolated antibody according to claim 10, wherein said Zcyto10 polypeptide consists of amino acid residues 91 to 105 of SEQ ID NO:2.
12. An isolated antibody which binds to a Zcyto10 polypeptide comprising amino acid residues 112 to 126 of SEQ ID NO:2.
13. The isolated antibody according to claim 12, wherein said Zcyto10 polypeptide consists of amino acid residues 112 to 126 of SEQ ID NO:2.
14. An isolated antibody which binds to a Zcyto10 polypeptide comprising amino acid residues 158 to 172 of SEQ ID NO:2.
15. The isolated antibody according to claim 14, wherein said Zcyto10 polypeptide consists of amino acid residues 158 to 172 of SEQ ID NO:2.
16. An anti-idiotypic antibody which binds to an antibody, wherein said antibody is selected from an antibody according to any of claims 1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14 or 15.
17. An antibody fragment which binds to a polypeptide comprising SEQ ID NO:2.
18. The antibody fragment according to claim 17, wherein said polypeptide comprising amino acid residues 25 to 176 of SEQ ID NO:2.
19. The antibody fragment according to claim 17, wherein said isolated antibody fragment further comprising a label.
20. The antibody fragment according to claim 17, wherein the antibody fragment is an F(ab')₂ fragment.
21. The antibody fragment of claim 17, wherein the antibody fragment is an Fab fragment.

22. The antibody fragment of claim 17, wherein the antibody fragment is a variable region of a monoclonal antibody.
- 5 23. An antibody fragment which binds to a Zcyto10 polypeptide, wherein said polypeptide comprises an amino acid sequence selected from the group consisting of:
- (i) amino acid residues 35 to 49 of SEQ ID NO:2;
 - (ii) amino acid residues 57 to 71 of SEQ ID NO:2;
 - (iii) amino acid residues 57 to 71 of SEQ ID NO:2;
 - 10 (iv) amino acid residues 91 to 105 of SEQ ID NO:2;
 - (v) amino acid residues 91 to 105 of SEQ ID NO:2;
 - (vi) amino acid residues 112 to 126 of SEQ ID NO:2;
 - (vii) amino acid residues 112 to 126 of SEQ ID NO:2;
 - (viii) amino acid residues 158 to 172 of SEQ ID NO:2; and
 - 15 (ix) amino acid residues 158 to 172 of SEQ ID NO:2.
24. A method of producing an antibody to a Zcyto10 polypeptide comprising:
inoculating an animal with a Zcyto10 polypeptide comprising an amino acid sequence
of SEQ ID NO:2, wherein the Zcyto10 polypeptide elicits an immune response in the
20 animal to produce the antibody; and isolating the antibody from the animal.
25. The antibody produced by the method of claim 24, wherein the antibody binds to a
Zcyto10 polypeptide comprising SEQ ID NO:2.
- 25 26. The antibody produced by the method of claim 24, wherein the antibody is a
polyclonal antibody.
27. A hybridoma which produces a monoclonal antibody according to claim 5.